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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2012; month=1; day=27; hr=9; min=13; sec=58; ms=415;]

=====

Reviewer Comments:

<210> 70

<211> 174

<212> PRT

<213> Oerskovia jenensis

<400> 70

(ERRORED PORTION SHOWN BELOW)

Thr Asn Val Cys Ala Glu Pro Gly Asp Ser Gly Gly Ser Leu Leu Ala

115

120

125

Please remove the blank lines between the above amino acid numbers and their respective amino acids; amino acid numbers must appear directly below their respective amino acids.

<210> 134

<211> 340

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<400> 134

(ERRORED PORTION SHOWN BELOW)

Val Asn Glu Arg Gly Glu Gln Val Gln Leu Lys Gly Met Ser Ser His

50

55

60

Please remove the blank lines between the above amino acid numbers and their respective amino acids; amino acid numbers must appear directly below their amino acids.

<210> 639
<211> 255
<212> PRT
<213> Streptogrisin C

Regarding the above "<213>" response: Reminder: per 1.823 of the Sequence Rules, the only valid "<213>" responses are: the Genus species of the organism, "Artificial Sequence", or "Unknown". "Artificial Sequence" and "Unknown" require explanation in the "<220>-<223>" section: please clearly indicate the source of the genetic material. "Streptogrisin" also appears in the "<213>" response in subsequent sequences.

<210> 640
<211> 185
<212> PRT
<213> Streptogrisin B

<400> 640

(please see below)

Ile Ser Gly Gly Asp Ala Ile Tyr Ser Ser Thr Gly Arg Cys Ser Leu
1 5 10 15
Gly Phe Asn Val Arg Ser Gly Ser Thr Tyr Tyr Phe Leu Thr Ala Gly

"Streptogrisin" appears in the above "<213>" response. Also, please remove the blank lines between the above amino acid numbers and their amino acids.

<210> 642
<211> 188
<212> PRT
<213> Streptogrisin D

<400> 642

(please see below)

Gly Gln Ala Val Thr Arg Ser Gly Ser Thr Thr Gln Val His Asp Gly

"Streptogrisin" appears in the above "<213>" response. Also, please remove the blank lines between the above amino acid numbers and their amino acids.

To correct the sequence listing errors noted in this report - The recommended method for correction of errors is to access the sequence listing working file using the software program in which the listing was originally prepared, e.g., the project file in PatentIn, make any necessary corrections within that program, then generate a new sequence listing file. Use of a word processing program to correct errors directly in the original sequence listing file is strongly discouraged, since such programs often introduce unintended changes to the sequence listing, rendering the listing unacceptable. When the working file or original program is not available for correction, then use of a common or plain text-only editor, such as NotePad, to edit the original sequence listing file may suffice.

Application No: 10576331 Version No: 3.0

Input Set:

Output Set:

Started: 2012-01-26 20:11:11.447
Finished: 2012-01-26 20:11:31.273
Elapsed: 0 hr(s) 0 min(s) 19 sec(s) 826 ms
Total Warnings: 605
Total Errors: 28
No. of SeqIDs Defined: 656
Actual SeqID Count: 656

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 251	Found intentionally skipped sequence in SEQID (18)
W 402	Undefined organism found in <213> in SEQ ID (37)
W 402	Undefined organism found in <213> in SEQ ID (38)

Input Set:

Output Set:

Started: 2012-01-26 20:11:11.447
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Total Warnings: 605
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No. of SeqIDs Defined: 656
Actual SeqID Count: 656

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (45)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)
W 213	Artificial or Unknown found in <213> in SEQ ID (47)
W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49)
W 213	Artificial or Unknown found in <213> in SEQ ID (50)
W 213	Artificial or Unknown found in <213> in SEQ ID (51)
W 213	Artificial or Unknown found in <213> in SEQ ID (52)
W 402	Undefined organism found in <213> in SEQ ID (61)
W 402	Undefined organism found in <213> in SEQ ID (62)
W 402	Undefined organism found in <213> in SEQ ID (65)
W 402	Undefined organism found in <213> in SEQ ID (66)
W 402	Undefined organism found in <213> in SEQ ID (69)
W 402	Undefined organism found in <213> in SEQ ID (70) This error has occurred more than 20 times, will not be displayed
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (70)
W 213	Artificial or Unknown found in <213> in SEQ ID (79)
W 213	Artificial or Unknown found in <213> in SEQ ID (80)
W 213	Artificial or Unknown found in <213> in SEQ ID (81)
W 213	Artificial or Unknown found in <213> in SEQ ID (82)
W 213	Artificial or Unknown found in <213> in SEQ ID (83)

Input Set:

Output Set:

Started: 2012-01-26 20:11:11.447
Finished: 2012-01-26 20:11:31.273
Elapsed: 0 hr(s) 0 min(s) 19 sec(s) 826 ms
Total Warnings: 605
Total Errors: 28
No. of SeqIDs Defined: 656
Actual SeqID Count: 656

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (84) This error has occurred more than 20 times, will not be displayed
E 341	'Xaa' position not defined SEQID (125) POS (170)
E 341	'Xaa' position not defined SEQID (125) POS (171)
E 341	'Xaa' position not defined SEQID (125) POS (172)
E 341	'Xaa' position not defined SEQID (125) POS (173)
E 341	'Xaa' position not defined SEQID (125) POS (174)
E 341	'Xaa' position not defined SEQID (125) POS (175)
E 341	'Xaa' position not defined SEQID (125) POS (176)
E 341	'Xaa' position not defined SEQID (125) POS (177)
E 341	'Xaa' position not defined SEQID (125) POS (178)
E 341	'Xaa' position not defined SEQID (125) POS (179)
E 341	'Xaa' position not defined SEQID (125) POS (180)
E 341	'Xaa' position not defined SEQID (125) POS (181)
E 341	'Xaa' position not defined SEQID (125) POS (182)
E 341	'Xaa' position not defined SEQID (125) POS (183)
E 341	'Xaa' position not defined SEQID (125) POS (184)
E 341	'Xaa' position not defined SEQID (125) POS (185)
E 341	'Xaa' position not defined SEQID (125) POS (186)
E 341	'Xaa' position not defined SEQID (125) POS (187)
E 341	'Xaa' position not defined SEQID (125) POS (188)
E 341	'Xaa' position not defined SEQID (125) POS (189) This error has occurred more than 20 times, will not be displayed

Input Set:

Output Set:

Started: 2012-01-26 20:11:11.447
Finished: 2012-01-26 20:11:31.273
Elapsed: 0 hr(s) 0 min(s) 19 sec(s) 826 ms
Total Warnings: 605
Total Errors: 28
No. of SeqIDs Defined: 656
Actual SeqID Count: 656

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (134)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (640)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (642)

SEQUENCE LISTING

<110> Jones, Brian E.
Kolkman, Marc
Leefflang, Chris
Oh, Hiroshi
Poulose, A.J.
Sadlowski, Eugene S.
Shaw, Andrew
van der Kleij, Wilhelmus A.H.
van Marrenwijk, Leo

<120> Serine Proteases, Nucleic Acids Encoding Serine Enzymes and
Vectors and Host Cells Incorporating Same

<130> GC819-2-US/B

<140> 10576331
<141> 2012-01-26

<150> PCT/US2004/039066
<151> 2004-11-19

<150> US 60/523,609
<151> 2003-11-19

<160> 656

<170> PatentIn version 3.2

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<212> DNA
<213> Cellulomonas strain 69B4

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a c c c a c c a g a t c g a c c t c c a t a a c g a g g c c g t a t g a c c a g a a a g g g a t c t g c c a c c g c c c 120
a c c a g c a c g c t c c t a a c c t c c g a g c a c c g g c g a c c g c c g g g t g c g a t g a a a g g g a c g a a c 180
c g a g a t g a c a c c a c g c a c a g t c a c g c g g g c c c t g g c c g t g g c c a c c g a g c c g c c a c a c t 240
c c t g g c a g g c g g c a t g g c c g c c c a g g c c a c g a g c c c g c a c c a c c g g g a g c g c g a g c g c 300
a c c g c c a c g c c t g g c c g a g a g t c t g a c c c c g a c c t c c t c g a g g c c a t g g a g c g c g a c c t 360
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<211> 1488

<212> DNA

<213> Cellulomonas strain 69B4

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<211> 1404

<212> DNA

<213> Cellulomonas spp.

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 <213> Cellulomonas spp.

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 <213> Cellulomonas strain 69B4

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 <211> 495
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 <213> Cellulomonas strain 69B4

<400> 6

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Thr	Ile	Thr	Ala	Leu	Asn	Ser	Ser	Val	Thr	Tyr	Pro	Glu	Gly	Thr	Val
305					310					315					320
Arg	Gly	Leu	Ile	Arg	Thr	Thr	Val	Cys	Ala	Glu	Pro	Gly	Asp	Ser	Gly
				325					330					335	
Gly	Ser	Leu	Leu	Ala	Gly	Asn	Gln	Ala	Gln	Gly	Val	Thr	Ser	Gly	Gly
			340					345					350		
Ser	Gly	Asn	Cys	Arg	Thr	Gly	Gly	Thr	Thr	Phe	Phe	Gln	Pro	Val	Asn
		355					360					365			
Pro	Ile	Leu	Gln	Ala	Tyr	Gly	Leu	Arg	Met	Ile	Thr	Thr	Asp	Ser	Gly
		370				375					380				
Ser	Ser	Pro	Ala	Pro	Ala	Pro	Thr	Ser	Cys	Thr	Gly	Tyr	Ala	Arg	Thr
385					390					395					400
Phe	Thr	Gly	Thr	Leu	Ala	Ala	Gly	Arg	Ala	Ala	Ala	Gln	Pro	Asn	Gly
				405					410					415	
Ser	Tyr	Val	Gln	Val	Asn	Arg	Ser	Gly	Thr	His	Ser	Val	Cys	Leu	Asn
			420					425					430		
Gly	Pro	Ser	Gly	Ala	Asp	Phe	Asp	Leu	Tyr	Val	Gln	Arg	Trp	Asn	Gly
		435					440					445			
Ser	Ser	Trp	Val	Thr	Val	Ala	Gln	Ser	Thr	Ser	Pro	Gly	Ser	Asn	Glu
		450				455					460				
Thr	Ile	Thr	Tyr	Arg	Gly	Asn	Ala	Gly	Tyr	Tyr	Arg	Tyr	Val	Val	Asn
465					470					475					480
Ala	Ala	Ser	Gly	Ser	Gly	Ala	Tyr	Thr	Met	Gly	Leu	Thr	Leu	Pro	
				485					490					495	

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 <211> 467
 <212> PRT

<213> Cellulomonas strain 69B4

<400> 7

Asn Glu Pro Ala Pro Pro Gly Ser Ala Ser Ala Pro Pro Arg Leu Ala
1 5 10 15
Glu Lys Leu Asp Pro Asp Leu Leu Glu Ala Met Glu Arg Asp Leu Gly
20 25 30
Leu Asp Ala Glu Glu Ala Ala Ala Thr Leu Ala Phe Gln His Asp Ala
35 40 45
Ala Glu Thr Gly Glu Ala Leu Ala Glu Glu Leu Asp Glu Asp Phe Ala
50 55 60
Gly Thr Trp Val Glu Asp Asp Val Leu Tyr Val Ala Thr Thr Asp Glu
65 70 75 80
Asp Ala Val Glu Glu Val Glu Gly Glu Gly Ala Thr Ala Val Thr Val
85 90 95
Glu His Ser Leu Ala Asp Leu Glu Ala Trp Lys Thr Val Leu Asp Ala
100 105 110
Ala Leu Glu Gly His Asp Asp Val Pro Thr Trp Tyr Val Asp Val Pro
115 120 125
Thr Asn Ser Val Val Val Ala Val Lys Ala Gly Ala Gln Asp Val Ala
130 135 140
Ala Gly Leu Val Glu Gly Ala Asp Val Pro Ser Asp Ala Val Thr Phe
145 150 155 160
Val Glu Thr Asp Glu Thr Pro Arg Thr Met Phe Asp Val Ile Gly Gly
165 170 175
Asn Ala Tyr Thr Ile Gly Gly Arg Ser Arg Cys Ser Ile Gly Phe Ala
180 185 190
Val Asn Gly Gly Phe Ile Thr Ala Gly His Cys Gly Arg Thr Gly Ala
195 200 205
Thr Thr Ala Asn Pro Thr Gly Thr Phe Ala Gly Ser Ser Phe Pro Gly
210 215 220
Asn Asp Tyr Ala Phe Val Arg Thr Gly Ala Gly Val Asn Leu Leu Ala
225 230 235 240
Gln Val Asn Asn Tyr Ser Gly Gly Arg Val Gln Val Ala Gly His Thr
245 250 255
Ala Ala Pro Val Gly Ser Ala Val Cys Arg Ser Gly Ser Thr Thr Gly
260 265 270
Trp His Cys Gly Thr Ile Thr Ala Leu Asn Ser Ser Val Thr Tyr Pro
275 280 285
Glu Gly Thr Val Arg Gly Leu Ile Arg Thr Thr Val Cys Ala Glu Pro
290 295 300
Gly Asp Ser Gly Gly Ser Leu Leu Ala Gly Asn Gln Ala Gln Gly Val
305 310 315 320
Thr Ser Gly Gly Ser Gly Asn Cys Arg Thr Gly Gly Thr Thr Phe Phe
325 330 335
Gln Pro Val Asn Pro Ile Leu Gln Ala Tyr Gly Leu Arg Met Ile Thr
340 345 350
Thr Asp Ser Gly Ser Ser Pro Ala Pro Ala Pro Thr Ser Cys Thr Gly
355 360 365
Tyr Ala Arg Thr Phe Thr Gly Thr Leu Ala Ala Gly Arg Ala Ala Ala
370 375 380
Gln Pro Asn Gly Ser Tyr Val Gln Val Asn Arg Ser Gly Thr His Ser
385 390 395 400
Val Cys Leu Asn Gly Pro Ser Gly Ala Asp Phe Asp Leu Tyr Val Gln
405 410 415
Arg Trp Asn Gly Ser Ser Trp Val Thr Val Ala Gln Ser Thr Ser Pro

420 425 430
 Gly Ser Asn Glu Thr Ile Thr Tyr Arg Gly Asn Ala Gly Tyr Tyr Arg
 435 440 445
 Tyr Val Val Asn Ala Ala Ser Gly Ser Gly Ala Tyr Thr Met Gly Leu
 450 455 460
 Thr Leu Pro
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 <213> Cellulomonas strain 69B4

<400> 8

Phe Asp Val Ile Gly Gly Asn Ala Tyr Thr Ile Gly Gly Arg Ser Arg
 1 5 10 15
 Cys Ser Ile Gly Phe Ala Val Asn Gly Gly Phe Ile Thr Ala Gly His
 20 25 30
 Cys Gly Arg Thr Gly Ala Thr Thr Ala Asn Pro Thr Gly Thr Phe Ala
 35 40 45
 Gly Ser Ser Phe Pro Gly Asn Asp Tyr Ala Phe Val Arg Thr Gly Ala
 50 55 60
 Gly Val Asn Leu Leu Ala Gln Val Asn Asn Tyr Ser Gly Gly Arg Val
 65 70 75 80
 Gln Val Ala Gly His Thr Ala Ala Pro Val Gly Ser Ala Val Cys Arg
 85 90 95
 Ser Gly Ser Thr Thr Gly Trp His Cys Gly Thr Ile Thr Ala Leu Asn
 100 105 110
 Ser Ser Val Thr Tyr Pro Glu Gly Thr Val Arg Gly Leu Ile Arg Thr
 115 120 125
 Thr Val Cys Ala Glu Pro Gly Asp Ser Gly Gly Ser Leu Leu Ala Gly
 130 135 140
 Asn Gln Ala Gln Gly Val Thr Ser Gly Gly Ser Gly Asn Cys Arg Thr
 145 150 155 160
 Gly Gly Thr Thr Phe Phe Gln Pro Val Asn Pro Ile Leu Gln Ala Tyr
 165 170 175
 Gly Leu Arg Met Ile Thr Thr Asp Ser Gly Ser Ser Pro
 180 185

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 <213> Cellulomonas strain 69B4

<400> 9

Met Thr Pro Arg Thr Val Thr Arg Ala Leu Ala Val Ala Thr Ala Ala
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 Ala Thr Leu Leu Ala Gly Gly Met Ala Ala Gln Ala
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acnacsggst ggcrgtgcgg cac

23

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